

**Notice of Allowability**

Application No.

09/889,287

Applicant(s)

MONTGOMERY ET AL.

Examiner

Devesh Khare

Art Unit

1623

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/7/2005.
2. ☒ The allowed claim(s) is/are 1-20 and 24-37.
3. ☒ The drawings filed on 16 July 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 3/31/2005
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

**JAMES O. WILSON**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 1800**

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The remarks received on 03/07/2005 has been entered. Claims 20 and 30 have been amended. Claims 21-23 and 38-42 have been cancelled.

The rejection under 35 U.S.C. 103(a) of the Office Action mailed on 12/08/2004, has been withdrawn in response to the applicant's remarks that "Watanabe does not even remotely suggest a reaction of a purine nucleoside having a 6-alkoxy group to obtain the desired final product".

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given by Burton Amernick on 04/07/03 in response to restriction requirement.

Claims 43-48 have been cancelled.

Claims 1-20 and 24-37 are currently pending in this application.

Claims 1-20 and 24-37 are allowed.

2. The following is an examiner's statement of reasons for allowance: Claims 1-20 and 24-37 are drawn to a method of synthesis of 2-chloro-9-(2-deoxy-2-fluoro- $\beta$ -D-arabinofuranosyl)-9H-purin-6-amine. The synthesis includes the steps of first reacting the anionic form of 2-chloro-6-substituted purine with a protected 2-deoxy-2-fluoro-D-arabinofuranose, then reacting the product with an alkoxide to provide 2-chloro-6-alkoxy

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purine nucleoside and finally, reacting the 2-chloro-6-alkoxy purine nucleoside with ammonia to yield the 2-chloro-9-(2-deoxy-2-fluoro- $\beta$ -D-arabinofuranosyl)-9H-purin-6-amine, is not taught or fairly suggested by the prior art of the record.

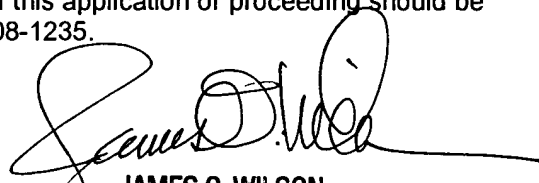
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)308-1235.

Devesh Khare, Ph.D.,J.D.

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May 10, 2005



**JAMES O. WILSON**  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 1600

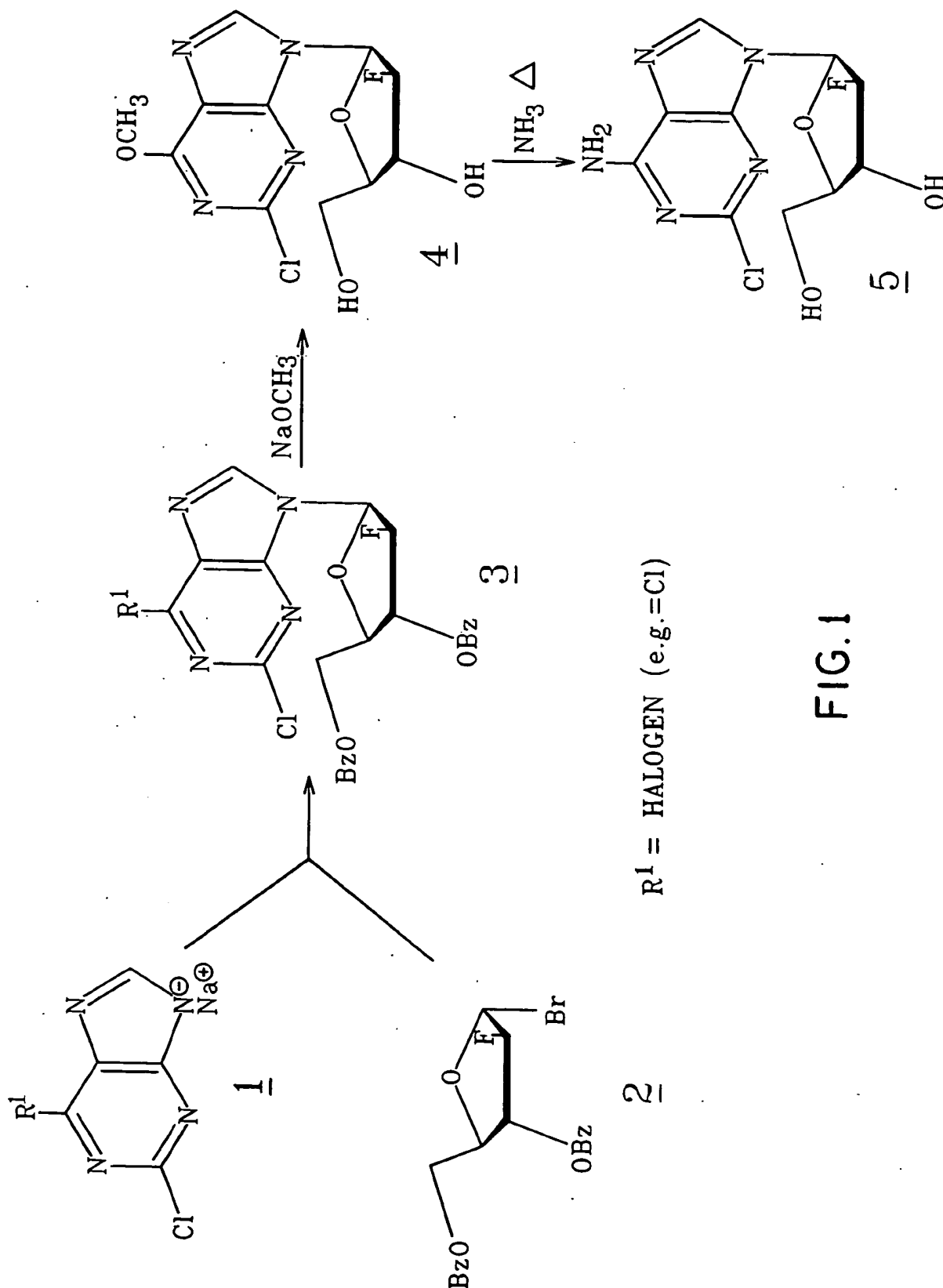


FIG. 1

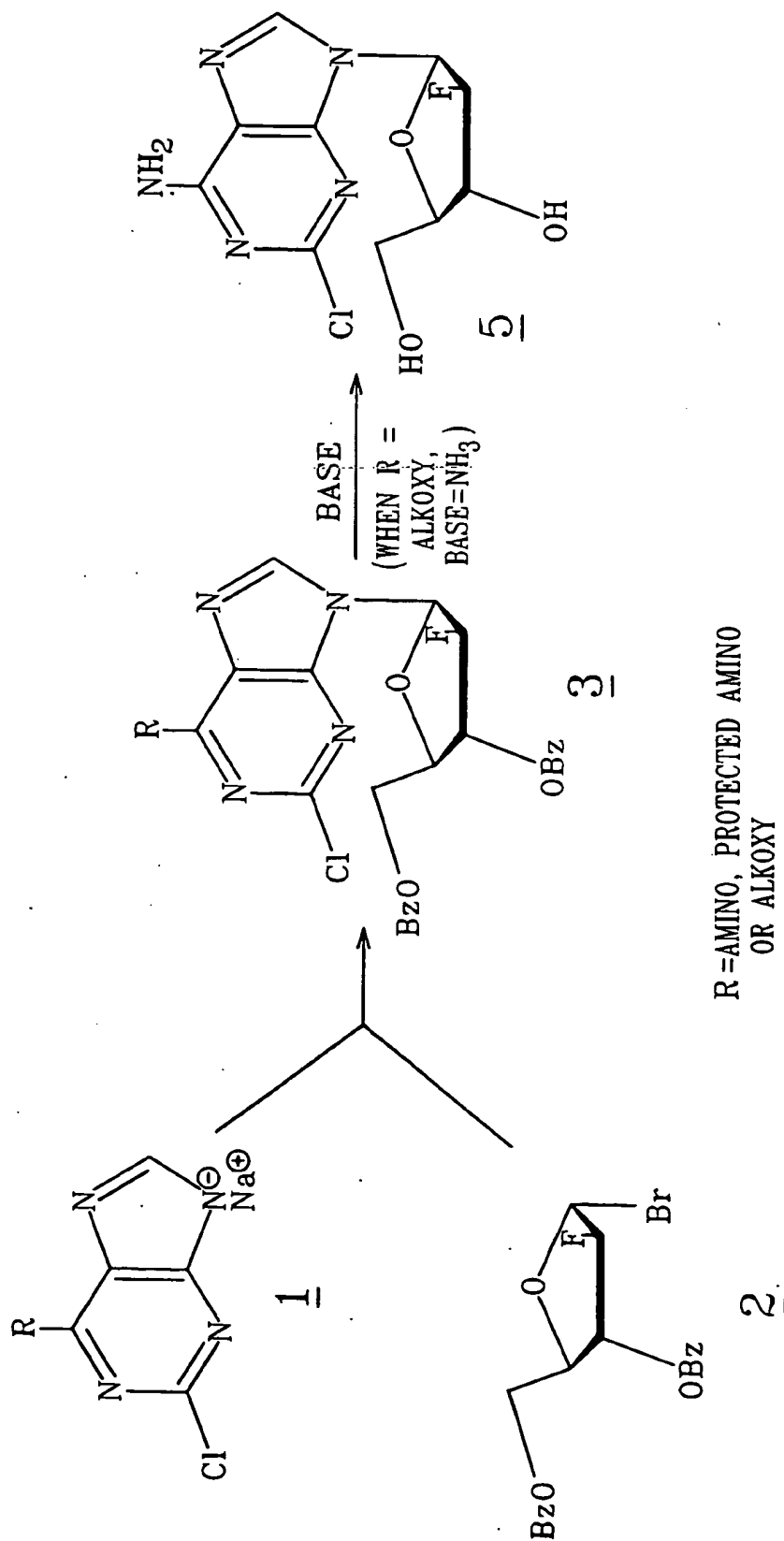


FIG.2

